

- 1 -

SEQUENCE LISTING

<110> AstraZeneca AB
 Andrews, Beth
 Barth, Peter
 Mills, Scott
 Uria-Nickelsen, Maria
 Yang, Wei

<120> TOPOISOMERASE MODULATOR ASSAYS

<130> 100995-1 WO

<150> US 60/459,187
 <151> 2003-03-31

<160> 5

<170> PatentIn version 3.2

<210> 1
 <211> 408
 <212> DNA
 <213> Escherichia coli

<400> 1
 cggtcgatgg gttgtgtctc tttgttcatt atttactcct taaacaagga cattagtcta 60
 cgccaggcat ggcttgcaga caaatatacc acgctgggtgg caagagcgcc ttactggcaa 120
 ctttggattt tgcattgctaa taaagttgcg tatcggattt tatcaggtac agtgtgacgc 180
 tttcgtcaat ctggcaatag atttgcttga cattcgacca aaattccgtc gtgctatagc 240
 gcctgtaggc caagacctgt taactcagtc acctgaattt tcgtgaacag agtcacgaca 300
 agggggttgat atccgcagag agcgagtcca tatcggtaac tcgttgccag tggaagggtt 360
 atcaacgtgc gacgcattcc tggaagaatc aaattaggta aggtgaat 408

<210> 2
 <211> 146
 <212> DNA
 <213> Escherichia coli

<400> 2
 tggcacttct actccgtaat tggcaagaca aacgagtata tcaggcattg gatgtgaata 60
 aagcgtatag gtttacctca aactgcgcgg ctgtgttata atttgcgacc tttgaatccg 120
 ggatacagta gagggatagc ggtag 146

<210> 3
 <211> 637
 <212> DNA
 <213> Staphylococcus aureus

<400> 3

- 2 -

```

aagggtgacga ctcggtaacg caattaattt taccaatcag aacttactaa aaataaatat      60
aaataaagga tgacgtgatt aattaaaacg tcctccttta ttttttggca aaaataattc      120
tagatgcgta tgtaaaataa atttgacagc attttaaaca gcaaataaaa gacgcccaatt      180
aaatttatga caaatgtatc caaaatttaa taagtgtgct tatatgccct tttaaatttaa      240
aattttaata gtcaataaca agttgaatat taaagttaaa cgccgttaaa tagcgttaaa      300
aaattgaaaa tgacagtatt gccaaaaaat aagaattaat tatttatatg taaacggttt      360
ctacctctat tttaaataaa atttgtgaca aaaaaaggta taatatatta atgacacaca      420
aagaaatgga gtgattatct tgggtcaaga agttgtagta gaaggagaca ttaatttagg      480
tcaatttcta aaacagaag ggattattga atctgggtggc caagcaaaat ggttcttgca      540
agacgttgaa gtattaatta atggagtgcg tgaacacgct cgcggtaaaa agttagaaca      600
tcaagatcgt atagatatcc cagaattacc tgaagat                                637

```

```

<210> 4
<211> 160
<212> DNA
<213> Escherichia coli

```

```

<220>
<221> misc_feature
<222> (111)..(111)
<223> n is a, c, g, or t

```

```

<400> 4
gatccttatt agatcgatta agccaatttt tgtctatggc cattaaattt tccaatatgc      60
ggcgtaaatac gtgcccgcct cgcggcagga tcgtttacac ttagcgagtt ntggaaagtc      120
ctgtggataa atcgggaaaa tctgtgagaa acagaagatc                                160

```

```

<210> 5
<211> 227
<212> DNA
<213> Haemophilus influenzae

```

```

<400> 5
gacctcgtgg aaatatgcag cgagaggcgc gtaattcaag aggtaataat gtgataggca      60
atgcctttgc ctgatgcact aaaaaattgg aaaaaataac aagttatggg gcgaaattat      120
tcgccctttt ttatcgtttt tcctttcccg aaaagcatcg ccaaacgggc gatTTTTTgc      180
tataatctcg cccaattttt atttcaaaa gaatgagata aattatg                                227

```